

NEW ABSTRACT:

Please find the following new abstract:

Abstract of the Disclosure

A fuel injection system for internal combustion engines, having a fuel injector that can be supplied from a high-pressure source includes a pressure boosting system containing a booster piston connected between the fuel injector and the high-pressure fuel source. The booster piston divides a chamber, connected to the high-pressure fuel source, from a high-pressure chamber communicating with the fuel injector and from a differential pressure chamber. The actuation of the pressure boosting system is effected via a 2/2-way valve assigned to the differential pressure chamber. For refilling of the differential pressure chamber and the high-pressure chamber of the pressure boosting system, hydraulically actuated check valves are provided, which upon pressure relief of the differential pressure chamber are acted upon hydraulically via a flow connection that branches off from the high-pressure chamber of the pressure boosting system.